Note: Category 1 wasterock = Low S Category 4 wasterock = Highest S

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Table 3.2-16 Comparison of DEIS, SDEIS, and FEIS for the NorthMet Project Proposed Action

THE STATE OF THE S			DETS to DETS Comparison of
DEIS Proposed Action	NorthMet Project Proposed Action as Presented in SDEIS Only	Presented in FEIS Only	Environmental Consequences
Mine Site			Elimination of three
 Category 1 and 2 waste 	 Category 1 waste rock mined from 	As per the SDEIS.	bermanent stockniles and
rock would be stored in a	years 1-13 would be stored in an		biobest sulfur rock
permanent soil-lined/soil-	unlined, permanent stockpile north of		Lights summaters
covered stockpile (Category	the West Pit. The stockpile would		Dacking of case and
1/2 Stockpile) north of the	have a geomembrane cover system at		he flooded for subaqueous
west pit (years 1-11).	completion and surface water and		disposal
 Category 1 and 2 waste 	groundwater collection system would		
rock generated after year 11			• Ellianced Scotteringance
would be backfilled to the			Covered bermaneur
East Pit.	 Category 2/3 waste rock mined from 		
 Category 3 waste rock 	years 1-11 stored in a temporary		effects as remain
would be placed on a	stockpile (with a geomembrane liner		• Canture and treatment of
permanent lined/covered	system) southeast of the mine pro-		5040 V
stockpile (east of the East	• Category 4 waste lock inflict from		above 90 percent capture)
Pit) or Category 3 Lean Ore	stocknile (with a geomembrane liner		of groundwater and
Stockpile (Southeast of the	system) on the top of the un-mined		surface seepage from
	Central Pit.		stockpiles.
would be stored on a	 The temporary Category 2/3 Stockpile 		• Minimization of the long-
nermanent lined and	and Category 4 Stockpile and all new		usnoum wort in Miles
covered waste rock	waste rock mined in years 11-20		୍ଷ 🕹
stockpile (south of the East	would be backfilled into the East Pit		resulting in substantial
Pit).	and Central Pit and stored		reduction of swewbark
 Category 4 lean ore would 	subaqueously		scepage volumes to be
be hauled to the Rail	Saturated overburden would be used		in West Pit water quality
Transfer Hopper or stored	as approved by the MDNR or placed		nost closure
on the Lean Ore Surge Pile.	in stockpiles with geomembrane liners		
 Saturated overburden 	(Category 2/3 Stockpile or Category 4		
would be placed in the	Stockpile).		
Category 1/2 Stockpile.	• WWTF located south of the West Pit		
 A WWTF used to treat 	and Central Pit, east of the		
process water collected	Overburden Storage and Laydown		
from lined stockpiles would	Area, and immediately adjacent to the		
be located on the south side	Kall I ransier Hopper. It would be		

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of the West Pit, west of the	upgraded to include KO utal would		
Overburden Storage and	meet water quarry ungown arm		
Laydown Area.	closure		
Plant Site			 New building layout better
rading existing and	• As per the DEIS, with some minor	changes to processing facilities and	utilizing disturbed ground
constructing new	changes to the layout of processing	the Plant Site layout, including the	meaning reduced welland
processing facilities located	facilities, the addition of a new	addition of a new SAG mill and	effects.
at the former LIVSVIC	quality targets) and only one	updating the sanitary sewage	• Elimination of major and
	autoclave Copper concentrate	treatment system.	electrical users.
Tailings Basin collected	would not be further processed.	• Relocation of the contents of the	 Capture and treatment of
through a series of header	 Added rock buttressing at the Tailings 	Goal Ash Langin to the Hacility	
pipes, recovery trenches,	Basin to increase geotechnical	(or other approved facility) prior to	groundwater, and all
and vertical extraction wells	stability.	its current site being covered with	surface seepage from
returning seepage to the	Surface seep system at the sounder	NorthMet Project Proposed Actin	Tailings Basin.
tailings basin.	l'ailings Basin dain, aid suitace wares	tailings.	• Improvement in the
 No Tailings Basin cover 	and ground water contamination of the north and west	 Incorporation of CDSM at the 	foundation stability of the
proposed.	Tailings Basin dams capturing all	Tailings Basin to increase	A Nomentation of flow
Eacility located on top of	surface and greater than 90 percent of		
the existing LTVSMC	all groundwater seepage, which would	* Added surface such as Tailings Basin	adjacent to the Tailings
Tailings Basin Cell 2W.	be directed to a new Plant Site	dams capturing all surface and	Basin using treated water.
	Tailings Basin or discharged to	greater than 90 percent of all	• Improvement in the
	wetlands north of the Tailings Basin	groundwater seepage, which would	Hydrometallurgical
	groundwater containment system to	be directed to the www.r.	Residue Facility, which
<	supplement a reduction in now in that	W/W/TP to approprient flows affected	eliminates concerns about
	area.	by the containment system.	liner failure and provides a
	Tailings Basin embankments, a		virtually 2010 reasons
	bentonite amended oxygen barrier		Sy Course
	layer (at a depth of 30 inches from the		
	surface of the dams) would be		
	installed on exterior sides of dams.		
	 During closure, bentonite would be 		
	incorporated into beach and pond		

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										DEIS Proposed Action	
Tailings Basin.	existing LTVSMC Cell 2W of the	Basin immediately southwest of the	the existing LTVSMC Emergency	would be located in the footprint of	 Hydrometallurgical Residue Facility 	two, reducing residue in half.	only include one autoclave instead of	 Hydrometallurgical processing would 	the influx of oxygen and water.	Presented in SDEIS Only	NorthMet Project Proposed Action as
										Presented in FEIS Only	NorthMet Project Proposed Action as
										FIIAII OHIIIEHIM Conseduction	DEIS to FEIS Comparison of